

## Appendix A - Object Class Tables

Class	<i>eGSOuser</i>
Description	Contains GSO user specific information
Type	structural
OID	1.3.18.0.2.6.27
Derived from	eUser
Auxiliary Classes	
Possible Superiors	person, organizationalPerson, inetOrgPerson, residentialPerson, liPerson, ePerson, container
Must Contain	cn[RDN], userType, userState
Inherited Must Contain	
May Contain	associatedName, subadminGroup, targetGroup
Inherited May Contain	caption, description, principalName, userCertificate, configPtr, accessHint, accountHint
<p>Additional Description:</p> <p>The <i>eGSOuser</i> object is structurally always "below" an "<i>ePerson</i>" and represents the association between a person object and GSO, when that person is configured to be a GSO user. The <i>eGSOuser</i> object contains specific GSO information associated with that user and is also used as an anchor point to which the GSO user's target information is attached. If a GSO user is being created and no <i>ePerson</i> object yet exists in the namespace for that person, GSO will create an <i>ePerson</i> (<i>inetOrgPerson</i> and <i>ePerson</i> auxiliary class) for that new person and will populate only the <i>cn</i>, <i>sn</i> and <i>userPassword</i> attributes. When a "GSO user" is deleted, the <i>eGSOuser</i> subtree will be removed from the <i>ePerson</i> object (breaking the association between the person and GSO). If there are no more entries "below" the <i>ePerson</i> object, the user will be given the opportunity to also delete the <i>ePerson</i> object itself, if they wish.</p>	

Class	<i>container</i>
Description	Anchor points for GSO subtrees
Type	structural
OID	1.3.18.0.2.6.28
Derived from	top
Auxiliary Classes	
Possible Superiors	any structural object
Must Contain	cn[RDN]
Inherited Must Contain	
May Contain	
Inherited May Contain	
<p>Additional Description:</p> <p>This object exists in the eNetwork common schema definition. It is included here to document its use by GSO.</p> <p>GSO maintains several anchor points (subtrees) within its GSO-specific data. All the anchor points use the container object as the anchor point object and the Common Name in the container indicates the type of GSO subtree.</p>	

Class	<i>eTargetRecord</i>
Description	Used to describe the specific target information for this GSO user.
Type	structural
OID	1.3.18.0.2.6.29
Derived from	cimSetting
Auxiliary Classes	
Possible Superiors	eGSOuser
Must Contain	cn[RDN]
Inherited Must Contain	
May Contain	uid, userPassword, tsType, accountService, targetService, targetAdapter, reqIdentifier, optIdentifier, passwordGenerator, launchable, prereqTarget, autoInitiate, autoTerminate
Inherited May Contain	caption, description, sid
<p>Additional Description:</p> <p>The <i>eTargetRecord</i> object describes the target that the GSO user may launch. It is used as the association between the user and the specific target information which applies to the target type.</p>	

Class	<i>eApplicationSystem</i> for GSO
Description	Anchor point for the GSO-specific object tree
Type	structural
OID	1.3.18.0.2.6.84
Derived from	eSystem
Auxiliary Classes	
Possible Superiors	organization, organizationalUnit, domain, eSystem (and its subclasses)
Must Contain	
Inherited Must Contain	
May Contain	hostedSoftwarePtr, osPtr
Inherited May Contain	caption, description, installDate, configPtr, systemName[RDN], nameFormat, systemRoles, primaryOwnerContact, primary OwnerName
<p>Additional Description:</p> <p>The <i>eApplicationSystem</i> for GSO is the anchor point for the remainder of the GSO-specific object tree. It is created by GSO when the product is first installed and configured. GSO then populates the remainder of its GSO-specific object tree beneath this anchor point. The "owner" of this anchor point is the GSO Senior Admin group and this ownership propagates through the rest of the GSO-specific object tree. The GSO Admin and Middle Tier server groups have access to this anchor point and this access also propagates through the remainder of the GSO-specific object tree.</p>	

Class	<i>eGSOaccount</i>
Description	Contains account information for GSO targets
Type	structural
OID	1.3.18.0.2.6.31
Derived from	eAccount
Auxiliary Classes	
Possible Superiors	Target Accounts container
Must Contain	cn[RDN]
Inherited Must Contain	uid
May Contain	accountService, otherPrincipalPtr
Inherited May Contain	caption, description, host, l, o, ou, seeAlso, userPassword, userCertificate, principalPtr
<p>Additional Description:</p> <p>The <i>eGSOaccount</i> is used by GSO to describe target account information which may be shared by multiple users or across multiple targets for a single GSO user. GSO maintains these <i>eGSOaccount</i> objects within the <i>Target Accounts</i> GSO-specific subtree. GSO defines and maintains accounts which may be shared between users and/or targets. For example, if a user defines a target of telnet to access an AIX machine and also defines a target of ftp for the same AIX machine, they would likely share the same target account information. That account information is maintained within this subtree.</p>	

Class	<i>eTargetServiceType</i>
Description	GSO Target Service Type
Type	structural
OID	1.3.18.0.2.6.32
Derived from	top
Auxiliary Classes	
Possible Superiors	Target Service Types container.
Must Contain	tsType[RDN]
Inherited Must Contain	
May Contain	caption, description, authenticationType, capability, reqIdentifierName, optIdentifierName, msgFileName
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eTargetServiceType</i> class is used to describe a type of a GSO Target Service. These objects are maintained within the GSO-specific object subtree beneath the <i>Target Service Types</i> anchor point. A Target Service Type is a class of services representing a specific type. Examples might be: Lotus Notes, Netware, 3270 etc. The <i>eTargetServiceType</i> indicates the required and optional identifiers needed to describe this Target Service Type as well as the capabilities and authentication type supported by this Target Service Type. Below this class are defined <i>eTargetService</i> objects representing specific instances of this Target Service Type as well as <i>eTargetAdapter</i> objects which describe the adapters (interface code) to access that <i>eTargetService</i> instance. In the instantiation of a specific <i>eTargetService</i>, the required and optional identifiers are specified with their values for that target. The <i>eTargetAdapter</i> object represents the Java code which GSO uses to interface with that target.</p>	

Class	<i>eTargetService</i>
Description	GSO Target Service
Type	structural
OID	1.3.18.0.2.6.33
Derived from	top
Auxiliary Classes	
Possible Superiors	eTargetServiceType
Must Contain	tsName[RDN], tsType
Inherited Must Contain	
May Contain	caption, description, authenticationType, reqIdentifier, optIdentifier
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eTargetService</i> class is used to describe a specific instance of a GSO Target Service Type. These objects are maintained within the GSO-specific object subtree beneath a defined <i>TargetServiceType</i>. An <i>eTargetService</i> is a class describing a specific instance of an <i>eTargetServiceType</i>. Examples might be: Lotus Notes, Netware, 3270 to AUSVMR, etc. This is an instantiation of a specific Target Service Type and would have the values for the required and optional identifiers (as indicated in the <i>eTargetServiceType</i>) specified.</p>	

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Class	<i>eTargetAdapter</i>
Description	GSO Target Adapter
Type	structural
OID	1.3.18.0.2.6.34
Derived from	top
Auxiliary Classes	
Possible Superiors	eTargetServiceType.
Must Contain	taName[RDN], tsType, javaClassName
Inherited Must Contain	
May Contain	caption, description, jarFileName, osType, propertyType, msgFileName
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eTargetAdapter</i> class is used to describe the interface code which GSO uses to access the specified target. These objects are maintained within the GSO-specific object subtree beneath a specified <i>eTargetServiceType</i>. The <i>eTargetAdapter</i> is the Java interface code which GSO will invoke via the Dynamic Target Interface to access the specified target. The Target Adapter code is either the client itself (in the case of a pure Java client such as Host on Demand), or it interfaces with the client code such as a command line executable or native code.</p>	



Class	<i>eGSOattachment</i>
Description	GSO attachment to contain or describe additional files or data that are needed.
Type	structural
OID	1.3.18.0.2.6.35
Derived from	eProperty
Auxiliary Classes	
Possible Superiors	eTargetRecord, eTargetService, eTargetAdapter, eGSOmachineProfile.
Must Contain	propertyType[RDN]
Inherited Must Contain	
May Contain	
Inherited May Contain	caption, description, cisPropertyType, cesPropertyType, binPropertyType, cisProperty, cesProperty, binProperty
<p>Additional Description:</p> <p>The <i>eGSOattachment</i> class is used by GSO to provide additional data relevant to a specific Target Record, Target Service Type, Target Adapter or Machine Profile. The attachment data is usually additional files or information needed by the target or machine. For example, for a Lotus Notes target, the notes.ini file is required. These objects are maintained within the GSO-specific object subtree beneath a specified <del>eTargetRecord</del> <sup>eTargetRecord</sup>, <i>eTargetServiceType</i>, <i>eTargetAdapter</i> or beneath the <i>eGSOmachineProfile</i>.</p>	

Class	<i>eComputerSystem</i>
Description	Based on CIM_ComputerSystem, this structural class represents a computer system or "class" of machines.
Type	structural
OID	1.3.18.0.2.6.36
Derived from	eSystem
Auxiliary Classes	
Possible Superiors	organization, organizationalUnit, domain, eSystem (and its subclasses)
Must Contain	
Inherited Must Contain	
May Contain	location, hostname[RDN]
Inherited May Contain	caption, description, installDate, configPtr, systemName, nameFormat, systemRoles, primaryOwnerContact, primaryOwnerName
<p>Additional Description:</p> <p>The <i>eComputersystem</i> is used to represent either a single computer system or a "class" of computer systems. If this object does not yet exist when a computer system is defined by GSO, it will be created. Below this object, GSO will create an <i>eSoftware</i> for GSO objet to represent GSO-specific aspects of this computer system, below which will be the <i>eGSOmachineProfile</i> object to contain the GSO-specific machine information.</p>	

Class	<i>eSoftware</i> for GSO.
Description	Based on CIM, this structural class is used to represent instances of software on a machine.
Type	structural
OID	1.3.18.0.2.6.86
Derived from	cimLogicalElement
Auxiliary Classes	
Possible Superiors	eCompuerSystem, eSystem
Must Contain	
Inherited Must Contain	
May Contain	
Inherited May Contain	caption, description, installDate, configPtr, software[RDN], vendor, identifyingNumber, version, softwareElementState, softwareElementID, osType, other OSTypeDescription, manufacturer, buildNumber, serialNumber, codeSet, identificationCode, languageEdition, labeledURI, localPath, supportingFiles, applSystemHint, applSoftwareHint
<p>Additional Description:</p> <p>The <i>eSoftware</i> for GSO object is used to form a subtree of GSO-specific information about this computer system. The <i>software</i> attribute is set to "GSO". For GSO, a computer system can represent either a single computer system or a "class" of computer systems. If this object does not yet exist when a computer system is defined by GSO, it will be created beneath the <i>eComputersystem</i> object. Below the <i>eSoftware</i> object, GSO will create an <i>eGSOMachineProfile</i> object to represent GSO-specific aspects of this computer system.</p>	

Class	<i>eGSOMachineProfile</i>
Description	Used to contain GSO-specific information about this computer system.
Type	structural
OID	1.3.18.0.2.6.38
Derived from	top
Auxiliary Classes	
Possible Superiors	eSoftware for GSO
Must Contain	cn[RDN], osType
Inherited Must Contain	
May Contain	caption, description, reqIdentifier
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eGSOMachineProfile</i> is used by GSO to describe GSO-specific information about this computer system. For GSO, a computer system can represent either a single computer system or a "class" of computer systems. Below the <i>eGSOMachineProfile</i>, GSO may have <i>eGSOattachment</i> objects which represent GSO machine-specific files or locations of files for targets. The reqIdentifier attribute can be used to override GSO target service information which is specific to this computer system.</p>	

Class	<i>ePasswordGenerator</i>
Description	Used to describe a GSO Password Generator.
Type	structural
OID	1.3.18.0.2.6.39
Derived from	top
Auxiliary Classes	
Possible Superiors	Password Generators container
Must Contain	cn[RDN], secretKey
Inherited Must Contain	
May Contain	caption, description, member
Inherited May Contain	
Special Notes	
<p>Additional Description:</p> <p>The <i>ePasswordGenerator</i> object is used by GSO to describe the information needed for a specific Password Generator. This object is within the GSO-specific object subtree beneath the Password Generators container anchor point. The GSO Password Generator objects describe the generator information used for those targets (such as 3270 passticket) which are configured to use a generated password instead of a fixed password. Only GSO Senior Administrators are allowed to create or modify Password Generators and only GSO Middle Tier Servers are allowed to read the Password Generator information.</p>	

Class	<i>eObjectDescription</i>
Description	Used to describe more information about an object for usability and to indicate whether the object is required or user-editable.
Type	structural
OID	1.3.18.0.2.6.40
Derived from	top
Auxiliary Classes	
Possible Superiors	eTargetServiceType, eTargetAdapter
Must Contain	cn[RDN]
Inherited Must Contain	
May Contain	caption, description, objectClassCaption, validValues, required, editable, msgFileName
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eObjectDescription</i> object is used by GSO to describe additional information about the identifiers or attachments associated with an <i>eTargetServiceType</i> or <i>eTargetAdapter</i>. This object is within the GSO-specific object subtree beneath the Target Service Types container anchor point. The information within this object allows detailed information to be associated with these objects, for example descriptive text which can be presented to a GUI user. The object description also contains attributes used to indicate whether the object is required, or if it is editable by the user.</p>	

Class	<i>eGsoDomain</i>
Description	Used to described location identifiers and their values corresponding to an authentication domain.
Type	structural
OID	1.3.18.0.2.6.41
Derived from	top
Auxiliary Classes	
Possible Superiors	GSO Domains container.
Must Contain	cn[RDN]
Inherited Must Contain	
May Contain	caption, description, targetLocation
Inherited May Contain	
<p>Additional Description:</p> <p>The <i>eGsoDomain</i> object is used by GSO to determine the authentication Domain for a specified location string. This object is within the GSO-specific object subtree beneath the GSO Domains container anchor point. Within a multiuser networked computing environment, various authentication domains (administrative realms) may exist. These domains may be distinguished with combinations of identifiers and values for Host, Application and Application Instance. These combinations of identifiers and values are referred to as location strings. This object is used is used to configure the possible location strings valid for a given Domain. GSO uses this object to determine the authentication Domain for a specified location string, and uses that to look up a user's Target Record within that authentication Domain.</p>	

## Appendix B - Attribute Tables

Attribute	<i>userType</i>
Description	Indicates the type of user. Possible values which GSO will use are: SeniorAdmin, Admin, Middle Tier Server, Full User, User
OID	1.3.18.0.2.4.123
Syntax	cis <sup>1</sup> /128
Single Valued	Single Valued
Access Class	sensitive
<p>Additional Description:</p> <p>This attribute is used by GSO to track the type of GSO principal. Although this is "role-like", the types tracked are GSO specific and not managed via LDAP mechanisms. GSO administers the type of user and for performance reasons, another LDAP access should not be required to ascertain the user type.</p>	

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<sup>1</sup>CIS = case ignore string



Attribute	<i>userState</i>
Description	Indicates the current state for the user. GSO possible values are: Enabled, Disabled
OID	1.3.18.0.2.4.124
Syntax	cis/128
Single Valued	Single Valued
Access Class	sensitive
<b>Additional Description:</b> This attribute is used to track the state for the principal. GSO uses this attribute to indicate whether the GSO user information is currently enabled or disabled. This allows the GSO user to be inactivated and not have to delete the definition.	

Attribute	<i>subadminGroup</i>
Description	Indicates the subadministration groups to which this GSO principal belongs.
OID	1.3.18.0.2.4.125
Syntax	dn/1000
Single Valued	Multi-Valued
Access Class	sensitive
<b>Additional Description:</b> This attribute is used to track the subadministration groups to which this GSO user belongs.	

Attribute	<i>targetGroup</i>
Description	Indicates the Target Groups to which this GSO principal belongs.
OID	1.3.18.0.2.4.126
Syntax	dn/1000
Single Valued	Multi-Valued
Access Class	sensitive
Additional Description: This attribute is used to track the Target Groups to which this GSO user belongs.	

Attribute	<i>prereqTarget</i>
Description	Indicates a list of targets which are prerequisites of this target.
OID	1.3.18.0.2.4.127
Syntax	dn/1000
Single Valued	Multi-Valued
Access Class	normal
Additional Description: This attribute is used to indicate a list of targets which are prerequisites of this target. This allows targets to be started prior to this target, if the other targets are required to be running before this target can be launched.	

Attribute	<i>autoInitiate</i>
Description	Indicates that this target should be started/launched when the GSO user logs on.
OID	1.3.18.0.2.4.128
Syntax	boolean
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute appears in an <i>eTargetRecord</i> object and indicates whether this target should be started/launched when the GSO user logs on.	

Attribute	<i>autoTerminate</i>
Description	Indicates that this target should be stopped when the GSO user logs off.
OID	1.3.18.0.2.4.129
Syntax	boolean
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute appears in an <i>eTargetRecord</i> object and indicates whether this target should be stopped when the GSO user logs off.	

Attribute	<i>accountService</i>
Description	Indicates the service which is used to manage the target account.
OID	1.3.18.0.2.4.130
Syntax	dn/1000
Single Valued	Single-Valued
Access Class	normal
Additional Information: This attribute is used to indicate the Target Service which manages the account for this GSO target. This allows the account service to be different than the target type itself. For example, the target type might use telnet to access an AIX machine, but the service which manages the account may be DCE, when integrated login is in effect.	

Attribute	<i>targetService</i>
Description	Indicates the target service instance.
OID	1.3.18.0.2.4.131
Syntax	dn/1000
Single Valued	Single-Valued
Access Class	normal
Additional Information: This attribute is used to indicate the Target Service instance for this GSO target.	

Attribute	<i>tsType</i>
Description	Indicates the target service type.
OID	1.3.18.0.2.4.132
Syntax	cis/128
Single Valued	SingleValued
Access Class	normal
Additional Description: This attribute is used to indicate the type of Target Service used for this GSO target.	

Attribute	<i>targetAdapter</i>
Description	Indicates the specific target adapter to use for this GSO target.
OID	1.3.18.0.2.4.133
Syntax	dn/1000
Single Valued	SingleValued
Access Class	normal
Additional Description: This attribute is used to indicate the specific Target Adapter for this GSO target. The Target Adapter is the Java interface code which GSO will invoke via the Dynamic Target Interface to access the specified target. The Target Adapter code is either the client itself (in the case of a pure Java client such as Host on Demand), or it interfaces with the client code such as a command line executable or native code.	

Attribute	<i>reqIdentifierName</i>
Description	Indicates the set of Required Identifiers needed for this specific GSO Target Service Type.
OID	1.3.18.0.2.4.134
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the set of Required Identifiers for this GSO Target Service Type. The required identifiers and their values will be acquired from the specific Target Service instance used by this target or by the user's Target Record.	

Attribute	<i>reqIdentifier</i>
Description	Indicates the set of Required Identifiers and their values needed for this specific GSO target.
OID	1.3.18.0.2.4.135
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the set of Required Identifiers and their values for this GSO target. The required identifiers and their values will be acquired from the specific Target Service instance used by this target or from the user's Target Record.	

Attribute	<i>optIdentifierName</i>
Description	Indicates the set of Optional Identifiers needed for this specific GSO target.
OID	1.3.18.0.2.4.136
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the set of Optional Identifiers for this GSO Target Service Type. The optional identifiers and their values will be acquired from the specific Target Service instance used by this target or the user's Target Record.	

Attribute	<i>optIdentifier</i>
Description	Indicates the set of Optional Identifiers and their values needed for this specific GSO target.
OID	1.3.18.0.2.4.137
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the set of Optional Identifiers and their values for this GSO target. The optional identifiers and their values will be acquired from the specific Target Service instance used by this target or from the user's Target Record.	

Attribute	<i>passwordGenerator</i>
Description	Indicates the name of the Password Generator to use for this specific GSO target.
OID	1.3.18.0.2.4.138
Syntax	dn/1000
Single Valued	Single-Valued
Access Class	critical
Additional Description: This attribute is used to identify the Password Generator to use for this GSO target. For targets such as 3270 which have been configured to use a generated password for the target, this attribute specifies the Password Generator to use for this GSO target.	

Attribute	<i>launchable</i>
Description	Indicates whether this GSO target can be started by GSO or not.
OID	1.3.18.0.2.4.139
Syntax	Boolean
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute is used to indicate whether a GSO target may be started via GSO or not. GSO targets described by <i>eTargetRecord</i> objects may be configured to be launchable or not.	



Attribute	<i>principalPtr</i>
Description	Indicates the names of the primary GSO users for this account.
OID	1.3.18.0.2.4.319
Syntax	dn/1000
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the GSO users who have update authority for this Target Account. This allows GSO to maintain the users of a shared account so that the account can have the appropriate access control.	

Attribute	<i>otherPrincipalPtr</i>
Description	Indicates the names of the non-primary GSO users for this account.
OID	1.3.18.0.2.4.141
Syntax	dn/1000
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the GSO users who do not have update authority for this Target Account. This allows GSO to maintain the users of a shared account so that the account can have the appropriate access control.	

Attribute	<i>tsName</i>
Description	Used to specify the name of an <i>eTargetService</i> object.
OID	1.3.18.0.2.4.142
Syntax	cis/128
Single Valued	
Access Class	normal
Additional Description: This attribute is used to name an <i>eTargetService</i> object. GSO allows the user to specify the name of a Target Service, which is an instance of a specific Target Service Type.	

Attribute	<i>taName</i>
Description	Used to specify the name of an <i>eTargetAdapter</i> object.
OID	1.3.18.0.2.4.143
Syntax	cis/128
Single Valued	
Access Class	normal
Additional Description: This attribute is used to name an <i>eTargetAdapter</i> object. GSO allows the user to specify the name of a Target Adapter, which describes the Java interface code to access the Target Service.	

Attribute	<i>authenticationType</i>
Description	Indicates the type of authentication used by this GSO Target Service. GSO specifies multiple possible values of: "Password", "Passticket", "Fingerprint", "Smartcard", "Tokencard"
OID	1.3.18.0.2.4.144
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<b>Additional Description:</b> This attribute is used to identify the type of authentication used by this GSO Target Service. Typical values are "Password" when a password is used or "Passticket" when a generated passticket is used.	

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Attribute	<i>capability</i>
Description	Indicates the capabilities this GSO Target Service Type allows.
OID	1.3.18.0.2.4.145
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute is used to identify the set of capabilities this GSO Target Service Type allows. Example values are: "login", "logoff", "change password", "start", "stop", etc. Because GSO supports dynamically defined targets and capabilities, this list may grow or shrink based on the specific Target Service Type.</p>	

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Attribute	<i>javaClassName</i>
Description	Indicates the name of the Java class which supports the GSO Dynamic Target Interface which GSO will use to access the target.
OID	1.3.18.0.2.4.146
Syntax	ces <sup>2</sup> /256
Single Valued	Single Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute is used to indicate the Java class name which GSO will use to access the specific target. The class name specified must support the GSO Dynamic Target Interface. If the class specified is within a jar file, the jar file name should be specified using the <i>jarFileName</i> attribute.</p>	

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<sup>2</sup>CES = case exact string

Attribute	<i>jarFileName</i>
Description	Indicates the name of the Java jar file which contains the Target Adapter class which supports the GSO Dynamic Target Interface which GSO will use to access the target.
OID	1.3.18.0.2.4.147
Syntax	ces/256
Single Valued	Single Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute is used to indicate the Java jar file name which contains the java class which GSO will use to access the specific target. The Java class name must be specified in the <i>java className</i> attribute within the <i>targetAdapter</i> object. The class name specified must support the GSO Dynamic Target Interface.</p>	

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Attribute	<i>msgFileName</i>
Description	Indicates the name of the message file which contains message strings used for displayable attributes (such as capability, objectClassCaption, validValues, etc.
OID	1.3.18.0.2.332
Syntax	ces/256
Single Valued	Single Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute is used to indicate a message file name which contains displayable/translatable strings for those attributes which are displayable. GSO uses this attribute in the <i>eTargetServiceType</i> and <i>eTargetAdapter</i> objects. The <i>eTargetServiceType</i> object contains the capability attribute which lists the capabilities of the Target Service Type. Both the <i>eTargetServiceType</i> and <i>eTargetAdapter</i> objects may have an associated <i>eObjectDescription</i> object which contains attributes for <i>objectClassCaption</i> and <i>validValues</i>. Both of those attributes indicate displayable strings. GSO stores the message keys in the displayable attributes and uses those keys to retrieve the proper displayable message string from the message file specified by the <i>msgFilename</i> attribute.</p>	

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Attribute	<i>propertyType</i>
Description	Indicates the type of GSO attachment.
OID	1.3.18.0.2.4.320
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute indicates the types of attachments which may be attached to <i>targetRecords</i>, <i>targetServices</i>, <i>targetAdapters</i> or <i>machineProfiles</i>. GSO uses attachment objects to contain and describe extra files and information necessary for targets and machines.</p>	

Attribute	<i>cisPropertyType</i>
Description	Indicates the type of data contained in a <i>cisProperty</i> .
OID	1.3.18.0.2.4.310
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute indicates the type of data contained in a GSO attachment which may be attached to <i>eTargetRecords</i>, <i>eTargetServices</i>, <i>eTargetAdapters</i> or <i>eGSOMachineProfiles</i>. GSO uses attachment objects to contain and describe extra files and information necessary for targets and machines.</p>	



Attribute	<i>cesPropertyType</i>
Description	Indicates the type of data contained in a <i>cesProperty</i> .
OID	1.3.18.0.2.4.308
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
Special Notes	
<p>Additional Description:</p> <p>This attribute indicates the type of data contained in a GSO attachment which may be attached to <i>eTargetRecords</i>, <i>eTargetServices</i>, <i>eTargetAdapters</i> or <i>eGSOmachineProfiles</i>. GSO uses attachment objects to contain and describe extra files and information necessary for targets and machines.</p>	

Attribute	<i>cisProperty</i>
Description	This attribute contains the data within a GSO attachment.
OID	1.3.18.0.2.4.309
Syntax	cis/250000
Single Valued	Multi-Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute contains the actual non-binary data within an <i>eGSOattachment</i>. The type of data is indicated by the <i>cisPropertyType</i> attribute within the <i>eGSOattachment</i> object. GSO uses <i>eGSOattachment</i> objects to contain and describe extra files and information necessary fore targets and machines.</p>	

Attribute	<i>cesProperty</i>
Description	This attribute contains the data within a GSO attachment.
OID	1.3.18.0.2.4.307
Syntax	ces/250000
Single Valued	Multi-Valued
Access Class	normal
<p>Additional Description:</p> <p>This attribute contains the actual non-binary data within an <i>eGSOattachment</i>. The type of data is indicated by the <i>cesPropertyType</i> attribute within the <i>eGSOattachment</i> object. GSO uses <i>eGSOattachment</i> objects to contain and describe extra files and information necessary for targets and machines.</p>	

Attribute	<i>binPropertyType</i>
Description	This attribute indicates the type of data within the <i>binProperty</i> attribute.
OID	1.3.18.0.2.4.306
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
Additional Description: This attribute indicates the type of binary data within an <i>eGSOattachment</i> .	

Attribute	<i>binProperty</i>
Description	This attribute contains the binary data within the <i>eGSOattachment</i> .
OID	1.3.18.0.2.4.305
Syntax	bin/250000
Single Valued	Multi-Valued
Access Class	normal
Additional Description: This attribute contains the binary data within an <i>eGSOattachment</i> . The type of the data is indicated by the <i>binPropertyType</i> attribute. This attribute can contain any sort of binary data which a GSO target may require when it is launched or an action (such as logon, logoff, change password, etc.) is performed.	

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Attribute	<i>secretKey</i>
Description	This attribute contains an encrypted key used in the generation of a passticket or password.
OID	1.3.18.0.2.4.155
Syntax	ces/256
Single Valued	Single-Valued
Access Class	password
<b>Additional Description:</b> This attribute contains an encrypted key used in the generation of a passticket or password. The mechanism used for the encryption is application specific and may be indicated within the key itself. For example, the key may be specified as: "{SHA}encryptedpassword" where {SHA} indicates the mechanism used to encrypt the password.	

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Attribute	Key
Description	This attribute contains a key (stored in clear text) used in the generation of a passticket or password.
OID	1.3.18.0.2.4.156
Syntax	ces/256
Single Valued	Single-Valued
Access Class	password
Additional Description: This attribute contains a clear text key used in the generation of a passticket or password.	

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Attribute	<i>keyLocation</i>
Description	This attribute contains an indication of where a key is to be found which can be used in the generation of a passticket or password. The location is represented in string format and can be used however the application wishes to indicate the key location (such as a DN string, file name, label in a table etc.)
OID	1.3.18.0.2.4.157
Syntax	ces/256
Single Valued	Single-Valued
Access Class	password
Additional Description: This attribute contains a string which represents the location of a key used in the generation of a passticket or password. The application determines the meaning of this location string.	

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Attribute	<i>objectClassCaption</i>
Description	This attribute is used to associate a textual label with an object for display to an end user.
OID	1.3.18.0.2.4.158
Syntax	cis/128
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute is used to provide a textual label for an object which can be displayed to an end user.	

Attribute	<i>validValues</i>
Description	This attribute is used to contain possible values for an object.
OID	1.3.18.0.2.4.159
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
Additional Description: This attribute is used to contain possible values for an object. This can provide a possible range allowed for an object or identifier for example. This information can be used for display to an end user.	



Attribute	<i>required</i>
Description	This attribute is used to indicate whether an object or attribute is required or not.
OID	1.3.18.0.2.4.160
Syntax	boolean
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute is used to indicate whether an identifier is required or not.	

Attribute	<i>editable</i>
Description	This attribute is used to indicate whether an object or attribute is user editable or not.
OID	1.3.18.0.2.4.161
Syntax	boolean
Single Valued	Single-Valued
Access Class	normal
Additional Description: This attribute is used to indicate whether an identifier is user editable or not.	

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Attribute	<i>targetLocation</i>
Description	This attribute is used to indicate a set of location strings to be used to determine which strings correspond to an authentication Domain.
OID	1.3.18.0.2.4.162
Syntax	cis/128
Single Valued	Multi-Valued
Access Class	normal
Additional Information: This attribute is used to contain the set of valid location strings within an authentication Domain.	

Attribute	<i>osType</i>
Description	CIM-derived attribute indicting type of operating system.
OID	1.3.18.0.2.4.403
Syntax	integer/11
Single Valued	Single-Valued
Access Class	normal

Attribute	<i>software</i>
Description	Identifies software object entries.
OID	1.3.18.0.2.4.327
Syntax	cis/256
Single Valued	
Access Class	normal

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